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## RAW SEQUENCE LISTING

DATE: 04/14/2003

PATENT APPLICATION: US/09/922,449B

TIME: 14:46:16

Input Set : A:\EP.txt

Output Set: N:\CRF4\04142003\I922449B.raw

3 <110> APPLICANT: BioInside Gesellschaft fur Biodiagnostik, Auftragsforschung und Consulting

4 mbH

6 <120> TITLE OF INVENTION: Test kit and method for quantitatively detecting genetically modified DNA

7 in foodstuff by means of fluorescent-coupled PCR

9 <130> FILE REFERENCE: 101215-68

11 <140> CURRENT APPLICATION NUMBER: 09/922,449B

12 <141> CURRENT FILING DATE: 2001-08-03

14 <150> PRIOR APPLICATION NUMBER: PCT/EP00/009835

15 <151> PRIOR FILING DATE: 2000-02-07

17 <150> PRIOR APPLICATION NUMBER: DE 199 06 169.6

18 <151> PRIOR FILING DATE: 1999-02-08

20 <160> NUMBER OF SEQ ID NOS: 25

22 <170> SOFTWARE: PatentIn version 3.0

24 <210> SEQ ID NO: 1

25 <211> LENGTH: 240

26 <212> TYPE: DNA

27 <213> ORGANISM: Artificial

29 <220> FEATURE:

30 <223> OTHER INFORMATION: Description of Artificial Sequence: Roundup soy gene (RRS gene)

32 <400> SEQUENCE: 1

33 gtccttcaaag caagtggatt gatgtgatat ctccactgac gtaagggatg acgcacaatc	60
35 ccactatcct tcgcaagacc ctctctctat ataaggaagt tcatttcatt tggagaggac	120
37 acgctgacaa gctgactcta gcagatcttt caagaatggc acaaattaac aacatggctc	180
39 aagggatata aacctttaat cccaattcca atttccataa accccaagtt cctaaatctt	240

42 <210> SEQ ID NO: 2

43 <211> LENGTH: 24

44 <212> TYPE: DNA

45 <213> ORGANISM: Artificial

47 <220> FEATURE:

48 <223> OTHER INFORMATION: Description of Artificial Sequence: probe

50 <400> SEQUENCE: 2

51 caagctgact ctagcagatc tttc	24
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54 <210> SEQ ID NO: 3

55 <211> LENGTH: 21

56 <212> TYPE: DNA

57 <213> ORGANISM: Artificial

59 <220> FEATURE:

60 <223> OTHER INFORMATION: Description of Artificial Sequence: primer

62 <400> SEQUENCE: 3

63 catttggaga ggacacgctg a	21
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66 <210> SEQ ID NO: 4

67 <211> LENGTH: 23  
68 <212> TYPE: DNA

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69 <213> ORGANISM: Artificial
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
74 <400> SEQUENCE: 4
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78 <210> SEQ ID NO: 5
79 <211> LENGTH: 24
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence: probe
86 <400> SEQUENCE: 5
87 cttcaccttc tatgcccctg acac 24
90 <210> SEQ ID NO: 6
91 <211> LENGTH: 22
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
98 <400> SEQUENCE: 6
99 gccctctact ccaccccat cc 22
102 <210> SEQ ID NO: 7
103 <211> LENGTH: 23
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
110 <400> SEQUENCE: 7
111 gaaggcaagc ccatctgcaa gcc 23
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 142
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Description of Artificial Sequence: target IAC DNA for the
RRS gen
122 <400> SEQUENCE: 8
123 catttggaaga ggacacgctg aggacgttcg ccaattttcg cctcccacgt ctcaccgagc 60
125 gtggtgttta cgaagggttt acgttttccc gtatcccctt tcgttttcat ccagtctttc 120
127 atggctcaag ggatacaaac cc 142
130 <210> SEQ ID NO: 9
131 <211> LENGTH: 21
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Artificial Sequence: probe
138 <400> SEQUENCE: 9
139 tcgcctccca cgtctcaccg a 21
142 <210> SEQ ID NO: 10
143 <211> LENGTH: 150

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144 <212> TYPE: DNA  
 145 <213> ORGANISM: Artificial  
 147 <220> FEATURE:  
 148 <223> OTHER INFORMATION: Description of Artificial Sequence: reference IAC DNA for  
 the RRS  
 149 gen  
 151 <400> SEQUENCE: 10  
 152 gccctctact ccacccccat ccggacgttc gccaattttc gcctcccacg tctcaccgag 60  
 154 cgtggtgttt acgaagggtt tacgttttcc cgtatcccct ttcgttttca tccagtcttt 120  
 156 gacaatcggc ttgcagatgg gcttgccttc 150  
 159 <210> SEQ ID NO: 11  
 160 <211> LENGTH: 250  
 161 <212> TYPE: DNA  
 162 <213> ORGANISM: Artificial  
 164 <220> FEATURE:  
 165 <223> OTHER INFORMATION: Description of Artificial Sequence: lectin gene  
 167 <400> SEQUENCE: 11  
 168 gggaaagtta caactcaata aggttgacga aaacggcacc ccaaaaccct cgtctcttgg 60  
 170 tcgcgccctc tactccaccc ccatccacat ttgggacaaa gaaaccggta gcgttgccag 120  
 172 cttegccgct tccttcaact tcaccttcta tgcccctgac acaaaaaggc ttgcagatgg 180  
 174 gcttgccttc tttctgcac caattgacac taagccacaa acacatgcag gttatcttgg 240  
 176 tcttttcaac 250  
 179 <210> SEQ ID NO: 12  
 180 <211> LENGTH: 21  
 181 <212> TYPE: DNA  
 182 <213> ORGANISM: Artificial  
 184 <220> FEATURE:  
 185 <223> OTHER INFORMATION: Description of Artificial Sequence: probe  
 187 <400> SEQUENCE: 12 21  
 188 atgtccacca ggcccagcac g  
 191 <210> SEQ ID NO: 13  
 192 <211> LENGTH: 21  
 193 <212> TYPE: DNA  
 194 <213> ORGANISM: Artificial  
 196 <220> FEATURE:  
 197 <223> OTHER INFORMATION: Description of Artificial Sequence: primer  
 199 <400> SEQUENCE: 13 21  
 200 cccatcgaca tcagcctgag c  
 203 <210> SEQ ID NO: 14  
 204 <211> LENGTH: 20  
 205 <212> TYPE: DNA  
 206 <213> ORGANISM: Artificial  
 208 <220> FEATURE:  
 209 <223> OTHER INFORMATION: Description of Artificial Sequence: primer  
 211 <400> SEQUENCE: 14 20  
 212 caggaaggcg tcccactggc  
 215 <210> SEQ ID NO: 15  
 216 <211> LENGTH: 23  
 217 <212> TYPE: DNA  
 218 <213> ORGANISM: Artificial

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220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: probe
223 <400> SEQUENCE: 15
224 ccacctcttc taccagtga acc                                     23
227 <210> SEQ ID NO: 16
228 <211> LENGTH: 21
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
235 <400> SEQUENCE: 16
236 cgctgtatca caagggctgg t                                     21
239 <210> SEQ ID NO: 17
240 <211> LENGTH: 20
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
247 <400> SEQUENCE: 17
248 agcggtaggt gcagccagtg                                     20
251 <210> SEQ ID NO: 18
252 <211> LENGTH: 136
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Description of Artificial Sequence: target IAC DNA for the
Bt-176
258     maize gen
260 <400> SEQUENCE: 18
261 cccatcgaca tcagcctgag cgttcgccaa ttttcgcctc ccacgtctca ccgagcgtgg      60
263 tgtttacgaa ggttttacgt tttcccgat cccctttcgt tttcatccag tcttttgcca      120
265 gtgggaagcc ttcctg                                     136
268 <210> SEQ ID NO: 19
269 <211> LENGTH: 136
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of Artificial Sequence: reference IAC DNA for
the Bt-
275     176 maize gen
277 <400> SEQUENCE: 19
278 cgctgtatca caagggctgg tgttcgccaa ttttcgcctc ccacgtctca ccgagcgtgg      60
280 tgtttacgaa ggttttacgt tttcccgat cccctttcgt tttcatccag tcttttcact      120
282 ggctgcacct accgct                                     136
285 <210> SEQ ID NO: 20
286 <211> LENGTH: 24
287 <212> TYPE: DNA
288 <213> ORGANISM: Artificial
290 <220> FEATURE:
291 <223> OTHER INFORMATION: Description of Artificial Sequence: probe
293 <400> SEQUENCE: 20

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294 cccactatcc ttcgcaagac cctt
297 <210> SEQ ID NO: 21
298 <211> LENGTH: 21
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
305 <400> SEQUENCE: 21
306 ctgacgtaag ggatgacgca c
309 <210> SEQ ID NO: 22
310 <211> LENGTH: 24
311 <212> TYPE: DNA
312 <213> ORGANISM: Artificial
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
317 <400> SEQUENCE: 22
318 aagatctgct agatcagct tgct
321 <210> SEQ ID NO: 23
322 <211> LENGTH: 21
323 <212> TYPE: DNA
324 <213> ORGANISM: Artificial
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
329 <400> SEQUENCE: 23
330 cgttgccagc ttgcgcgctt c
333 <210> SEQ ID NO: 24
334 <211> LENGTH: 143
335 <212> TYPE: DNA
336 <213> ORGANISM: Artificial
338 <220> FEATURE:
339 <223> OTHER INFORMATION: Description of Artificial Sequence: target IAC DNA for the
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341 <400> SEQUENCE: 24
342 ctgacgtaag ggatgacgca cggacgttcg ccaattttcg cctcccacgt ctcaccgagc
344 gtggtgttta cgaaggtttt acgttttccc gtatcccctt tcgttttcat ccagtctttg
346 acaagctgac tctagcagat ctt
349 <210> SEQ ID NO: 25
350 <211> LENGTH: 149
351 <212> TYPE: DNA
352 <213> ORGANISM: Artificial
354 <220> FEATURE:
355 <223> OTHER INFORMATION: Description of Artificial Sequence: reference IAC DNA for
the RRS
356 gen
358 <400> SEQUENCE: 25
359 cgttgccagc ttgcgcgctt cggacgttcg ccaattttcg cctcccacgt ctcaccgagc
361 gtggtgttta cgaaggtttt acgttttccc gtatcccctt tcgttttcat ccagtctttg
363 acaatcggct tgcagatggg cttgccttc

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